## **EAST Search History**

## EAST Search History (Prior Art)

| Ref#       | Hits   | Search Query                          | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------------|--------|---------------------------------------|---|---------------------|---------|---------------------|
| S1         | 76     | CHENG, JUN                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>17:45 |
| <b>2</b> 5 | 721    | MIYOSHI, KENICHI                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>17:45 |
| SS         | 425    | NISHIO, AKIHIKO                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>17:45 |
| S4         | 992023 | MATSUSHITA                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>17:46 |
| <b>S</b> 5 | 10435  | select\$4 same threshold same quality | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>18:39 |
| <b>S</b> 6 | 977883 | (small\$4 near3 amount)               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>18:41 |
| <b>S</b> 7 | 1071   | S5 and S6                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>18:41 |
| S9         | 10435  | select\$4 same threshold same quality | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>18:44 |
| S13        | 10923  | quality near3 (indi\$4 or ascend\$4)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | ON      | 2010/11/03<br>18:52 |

| S18         | 28278297 | @ad<="20040314"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>18:54 |
|-------------|----------|---|---|-----|----|---------------------|
| S21         | 885      | select\$4 same threshold same quality with (indic\$4 or index or ascend\$4)   | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>18:56 |
| S22         | 72       | select\$4 same threshold same quality with (indic\$4 or index or ascend\$4) and (small \$4 near3 amount)                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>18:57 |
| \$23        | 17       | S18 and S22   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>18:57 |
| S26         | 178      | threshold same quality same (indices or index or ascend\$4) and (small\$4 near3 amount)                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:32 |
| <b>S</b> 27 | 540      | (plurality or various or multiple) near3<br>(quality or CQI or SNR or SIR or BER) with<br>(amount or percent\$4 or "%") | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:33 |
| S28         | 114      |   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:33 |
| S29         | 27       | S18 and \$28  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:33 |
| \$30        | 7794     | (375/260,264,324,349).ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:38 |
| \$32        | 57       | quality near3 (indices or index or ascend<br>\$4) near3 bit   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:39 |

|             | ·,     |   | £   |     |    | · /·····            |
|-------------|--------|---|---|-----|----|---------------------|
| S33         | 992023 | MATSUSHITA  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:39 |
| S34         | 74     | threshold same quality with (indices or index or ascend\$4) and (small\$4 near3 amount) | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:40 |
| S35         | 2      | S33 and S34   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:40 |
| S36         | 13     | S33 and S27   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:40 |
| <b>S</b> 37 | 4348   | (455/133-135,414.5,432.2,452.2,67.13).<br>ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:46 |
| S38         | 3      | S27 and S37   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:46 |
| S39         | 4      |   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:47 |
| S40         | 657    | \$1carrier or subcarrier or subchannel or sub   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:50 |
| S42         | 37     | (quality near4 (indices or index or ascend<br>\$4)) with threshold same amount          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:51 |
| S43         | O      | S37 and S42   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:51 |

| S44         | 16    | S18 and S42  | US-PGPUB;<br>USPAT;   | ADJ | ON | 2010/11/03<br>19:52 |
|-------------|-------|--|---|-----|----|---------------------|
|             |       |  | USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        |     |    |                     |
| S47         | 141   | \$1carrier or subcarrier or subchannel or sub  | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:54 |
| S48         | 8765  | (quality near4 (indices or index or ascend<br>\$4))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:54 |
| S49         | 2     | S47 and S48  | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:54 |
| S51         | 197   | (quality near4 (indices or index or ascend<br>\$4)) same (small or little or low\$3 or<br>minimum or error) near3 (amount or<br>percent\$4 or "%") | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:56 |
| S52         | 79454 | •  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:56 |
| <b>S</b> 53 | 8     |  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:56 |
| <b>S</b> 54 | 0     | S51 and S37  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:58 |
| \$55        | 0     | S51 and S30  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:59 |
| <b>S</b> 56 | 69169 |  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>19:59 |

| S57 | 28  | (quality near4 (indices or index or ascend<br>\$4)) (amount or percent\$4 or "%")      | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>20:00 |
|-----|-----|--|---|-----|----|---------------------|
| S58 | 537 | (quality near4 (indices or index or ascend<br>\$4)) with (amount or percent\$4 or "%") | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/11/03<br>20:00 |

## EAST Search History (Interference)

| Ref# | Hits  | Search Query   | DBs            | Default<br>Operator | Plurals | Time Stamp       |
|------|-------|--|----------------|---------------------|---------|------------------|
| S8   | 46319 | MATSUSHITA   | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 17:46 |
| S59  | 25454 | sub\$1carrier or subcarrier or subchannel or sub<br>\$1channel or subband or sub\$1band  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 19:59 |
| S60  | 46319 | MATSUSHITA   | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 19:59 |
| S61  | 3016  | (455/133-135,414.5,432.2,452.2,67.13).ccls.  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 19:59 |
| S62  | 3976  | (375/260,264,324,349).ccls.  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:00 |
| S64  | 461   | (quality near4 (indices or index or ascend\$4)) same (amount or percent\$4 or "%")   | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:01 |
| S65  | 14    | S59 and S64  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:07 |
| S66  | 4     | S60 and S64  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:10 |
| S67  | 0     | S61 and S64  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:10 |
| S68  | 2     | S62 and S64  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:10 |
| S69  | 53    | (quality near4 (indices or index or ascend\$4))<br>same (small or little or low\$3 or minimum or<br>error) near3 (amount or percent\$4 or "%") | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:12 |
| S70  | 3     | S59 and S69  | USPAT;<br>UPAD | ADJ                 | ON      | 2010/11/03 20:12 |

## 11/4/2010 2:21:18 PM

C:\ Documents and Settings\ rguarino\ My Documents\ EAST\ Workspaces\ 10591709-allowance.wsp